

WHAT IS CLAIMED IS:

1. A anti-vibration tray support structure in an optical disc player, said anti-vibration tray support structure comprising:

5 a tray including two slots in a bottom side thereof;
 two rails employed to support said two slots, respectively; and
 an elastic holder installed beside one of said two rails, said elastic holder contacting one side of said tray to provide a proper force against vibration.

10 2. The anti-vibration tray support structure of claim 1, wherein said two rails are made by plastic casting.

 3. The anti-vibration tray support structure of claim 1, wherein said elastic holder is made by plastic casting.

15 4. The anti-vibration tray support structure of claim 1, wherein said elastic holder is a metal elastic apparatus.

 5. A anti-vibration tray support structure in an optical disc player, said anti-vibration tray support structure comprising:

20 a tray including two slots in a bottom side thereof;
 two rails employed to support said two slots, respectively; and
 at least one elastic holder installed beside one of said two rails, said elastic holder contacting one side of said tray to provide a proper force against
25 vibration.

6. The anti-vibration tray support structure of claim 5, wherein said two rails are made by plastic casting.

7. The anti-vibration tray support structure of claim 5, wherein said elastic holder is made by plastic casting.

8. The anti-vibration tray support structure of claim 5, wherein said elastic holder is a metal elastic apparatus.

9. An optical disc player with a tray anti-vibration function comprising:
a tray including two slots in a bottom side thereof, said tray supporting an optical disc;
two rails employed to support said two slots, respectively;
at least one elastic holder installed beside one of said two rails, said elastic holder contacting one side of said tray to provide a proper force against vibration;
a laser pickup head; and
a spindle motor employed to rotate said optical disc so as to allow said laser pickup head to read said optical disc.

10. The optical disc player of claim 9, wherein said two rails are made by plastic casting.

11. The optical disc player of claim 9, wherein said elastic holder is made by plastic casting.

12. The optical disc player of claim 9, wherein said elastic holder is a metal elastic apparatus.